

Alg-2 Polynomials Quiz

Answers

RN.1
RN.2

~~Simplify~~ Degree?

① $24y - 8y^2 + 20y^3$ Third degree polynomial

② $12x^2 - 4x - 5 + x^{-6}$ second degree polynomial

Simplify

③ $(7y^2 + 12xy - 5x^2) + (6xy - 4y^2 - 3x^2)$
 $3y^2 + 18xy - 8x^2$

5p

④ $(18p^2 + 11pq - 6q^2) - (15p^2 - 3pq + 4q^2)$
 $3p^2 + 14pq - 10q^2$

⑥ $-5y^2(y^2 + 2y - 3)$
 $-5y^4 - 10y^3 + 15y^2$

$$\textcircled{6} (3x-2)(x+10)$$

$$3x^2 + 28x - 20$$

$$\textcircled{7} (7x-2)(2x-7)$$

$$14x^2 - 53x + 14$$

$$\textcircled{8} (x-1)(x^2-3x+4)$$

$$x^3 - 4x^2 + 7x - 4$$

$$\textcircled{9} 3(3a+5c) - 2(4a-6c)$$

$$+10a + 27c$$

$$a + 27c$$

$$\textcircled{10} 2x(x+5) - x^2(3-x)$$

$$x^3 - x^2 + 10x$$